

## LITERATURE CITED

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A NOTE ON THE MANNER OF FEEDING OF  
AGULLA ADNIXA HAGEN

(Raphidiodea: Raphidiidae)

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In feeding, this species devours aphids entirely, swallowing all parts and rejecting nothing. The prey is masticated rapidly and then swallowed with a gulping motion. An adult female, placed in a vial containing a twig with fifty-seven aphids, began at the bottom of the colony and ate it entirely in less than nine minutes.

Feeding is systematic and rapid. The head is passed among the foliage and surfaces palpated with both pairs of palpi. Sight appears to play but little part in the location of prey. Upon touching an aphid, the head is then withdrawn and the long pronotum arched back, and the head then darts forward with great speed, in a snake-like movement that is nearly too fast to follow. The prey is grasped by the mandibles and the head is raised slightly and withdrawn. The mandibles work rapidly and rhythmically while the palpi, for the most part, are not applied to the victim once it is captured, but are vibrated rapidly.

The gular sutures are very flexible and may be seen to give to some extent as swallowing takes place. After the colony was eaten, a second inspection of the twig took place, very carefully done, to be sure that no further prey remained. Subsequently, an extended period of grooming and adjustment of appendages followed, including raising, lowering and extension of the wings, without any attempt to fly. A period of apparent torpidity then ensued, and no further activities followed during the remainder of the day.

Next morning the raphidid appeared to be as hungry as before, and repeated the entire process in a similar manner with another aphid colony. This behavior indicates a very effective predator.